

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<i>Attorney Docket No.</i> 2323-164		<small>U.S. PTO</small> <small>10/30/03</small> <small>1751D 10 696708</small>	
		<i>First Inventor</i> Mark T. KEATING			
		<i>Title</i> Mutations in and Genomic Structure of HERG - a Long QT Syndrome Gene			
<input checked="" type="checkbox"/> Applicant for Published Patent Application: University of Utah Research Foundation Salt Lake City, Utah					
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>			ADDRESS TO: Assistant Commissioner of Patents Box Patent Application Washington, D.C. 20231		
1. <input checked="" type="checkbox"/> Fee Transmittal Form <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input checked="" type="checkbox"/> Applicant claims small entity status.			7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program		
3. <input checked="" type="checkbox"/> Specification Total pages [92] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross references to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claims - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Sheets) [21]			8. Nucleotide and/or Amino Acid Sequence Submission <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper (34 pages) c. <input checked="" type="checkbox"/> Statement verifying identity of above copies 		
5. <input checked="" type="checkbox"/> Oath or Declaration (Total Pages) [3] <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> <small>[Note Box 5 below]</small> <ul style="list-style-type: none"> i <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application,</small> 			ACCOMPANYING APPLICATION PARTS <ul style="list-style-type: none"> 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <small>(when there is an assignee)</small> <ul style="list-style-type: none"> <input type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input type="checkbox"/> Information Disclosure Statement /PTO 1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 15. <input type="checkbox"/> Certified Copy of Priority Document(s). 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). 17. <input type="checkbox"/> Other: 		
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below or in an application Data Sheet under 37 CFR 1.76:					
<input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 09/735,995 <small>Prior application information: Examiner C.I. Qian Group/Art Unit 1636</small>					
<small>For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</small>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label 6449					
Address Rothwell, Figg, Ernst & Manbeck Suite 800, 1425 K Street, N.W.					
City Washington	State D.C.	Zip Code 20005			
Country U.S.A.	Telephone 202-783-6040	Fax 202-783-6031			
Name Jeffrey L. Ihnen, Reg. No. 28,957					
Signature <i>Jeffrey L. Ihnen</i>	Date 30 October 2003				

**FEE TRANSMITTAL
for FY 2003
(Small Entity)**

		<i>Complete if Known</i>	
		Application Number	(to be assigned)
		Filing Date	30 October 2003
		First Named Inventor	Mark T. KEATING
		Examiner Name	
		Group Art Unit	
Total Amount of Payment	(\$ 385.00)	Attorney Docket Number	2323-164

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
2. Payment Enclosed:
 - Check
 - Credit Card

FEES CALCULATION

1. FILING FEE

Fee	Fee	Fee Description	Fee Paid
Code	\$		
2001	385	Utility filing fee	[385.00]
2002	170	Design Filing Fee	[]
2003	265	Plant Filing Fee	[]
2004	385	Reissue Filing Fee	[]
2005	80	Provisional Filing Fee	[]

SUBTOTAL \$ 385.00

2. CLAIMS

Total Claims	Independent Claims	Extra Claims	Fee	Fee Paid
[]	- 20**	= []	x \$ 9 =	[]
Claims	[]	- 3**	= []	x 43 = []
Multiple Dependent Claims	[]		+	145 = []

**or number previously paid, if greater;

SUBTOTAL \$

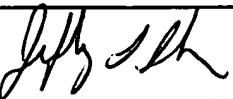
FEES CALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Fee Paid	Fee Description	Fee Paid		
2051	65	Surcharge - late filing fee or oath	[]		
2052	25	Surcharge - late provisional filing fee or cover sheet	[]		
1053	130	Non-English specification	[]		
1812	2,520	For filing a request for reexamination	[]		
1804	920	Requesting publication of SIR prior to Examiner action	[]		
1805	1,840*	Requesting publication of SIR after Examiner action	[]		
2251	55	Extension for reply within first month	[]		
2252	210	Extension for reply within second month	[]		
2253	475	Extension for reply within third month	[]		
2254	740	Extension for reply within fourth month	[]		
2255	1,005	Extension for reply within fifth month	[]		
2401	165	Notice of Appeal	[]		
2402	165	Filing a brief in support of an appeal	[]		
2403	145	Request for Oral Hearing	[]		
1451	1,510	Petition to institute a public use proceeding	[]		
2452	55	Petition to revive -unintentional	[]		
2453	475	Utility issue fee (or reissue)	[]		
2501	665	Design issue fee	[]		
2502	240	Plant issue fee	[]		
2503	320	Petitions to the Commissioner	[]		
1460	130	Processing fee under 37 CFR 1.17(q)	[]		
1807	50	Submission of Information Disclosure Statement	[]		
1806	180	Recording each patent assignment per property (times number of properties)	[]		
8021	40	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	[]
		2810	385	For each additional invention to be examined (37 CFR 1.129(b))	[]
		2801	385	Request for Continued Examination (RCE)	[]
		1802	900	Request for expedited examination of a design application	[]
		1504	300	Publication fee for early, voluntary, or normal publication	[]
		1505	300	Publication fee for republication	[]
		1455	200	Filing an application for patent term adjustment	[]
		1456	400	Request for reinstatement of term reduced	[]
				Other fee (specify)	[]

* Reduced by Basic Filing Fee Paid

SUBTOTAL \$

SUBMITTED BY		Complete (if applicable)		
NAME AND REG. NUMBER	Jeffrey L. Ihnen, Reg. No. 28,957			
SIGNATURE		DATE	30 OCTOBER 2003	DEPOSIT ACCT USER ID
				02-2135